



the WATER TAP

WASHINGTON'S DRINKING WATER NEWSLETTER

Water Conservation In Action

By Lee Mellish,
Manager
Liberty Lake
Sewer & Water
District

Liberty Lake, one of Washington's newest cities, has one of the highest growth rates in Spokane County. The Liberty Lake Sewer and Water District serves more than 1800 residential connections and a vibrant business/industrial community that is predominately high-tech, including Agilent Industries, Telect, Getronics, and Liberty Lake Internet Portal. Like any community, we

depend on water; we also know that water is a limited resource that must be conserved.

Water conservation is nothing new to us

The Liberty Lake Sewer and Water District, established in 1975, has been conservation conscious for many years. We've learned that results are never instantaneous and there must be an ongoing dialog with customers and community leaders.

We began distributing low flow showerheads and toilet dams before legislation required it, and we regularly promote water conservation for lawn irrigation through our newsletter, billings, and the news media.

Although residential water consumption has decreased on the average of about 6%, we still see many opportunities to conserve water and prevent future shortages.

The Spokane-Rathdrum Prairie Aquifer is the sole source of water for Liberty Lake. The district applied to the Department of Ecology for additional water rights in 1992, but does not expect a response until a study of the aquifer is completed in several years.

A new focus with the Division of Drinking water and local businesses

Early in 2002, faced with a water rights shortfall by 2008, we contacted the Department of Health expressing a strong interest in developing a more active water conservation program. Working together with the department and community members, we have begun a number of actions to reduce residential, industrial, and commercial water consumption.

Discussions have started with local businesses to reduce the amount of irrigated lawn through



Issue 50 • September 2002

Drinking Water Seminars:
Hot Topics in Cool Places
October and November 2002
See page 9.

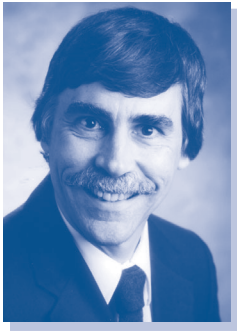
Inside This Issue

Director's column	2
Infrastructure surveys coming	3
Operator Certification Compliance	4
SMA list is on the web	4
Professional Growth Requirements	5
<i>Especially for small systems:</i>	
Curlew Water District improvements	6
Training is a huge success	7
DWSRF News	8
2002 Drinking Water Seminar	9
Public hearing on 246-290 WAC	9
Waiver deadline extended	9
Training calendar	10-11
Arsenic rule update	12

(continued on page 5)

THE DIRECTOR'S COLUMN

BY GREGG GRUNENFELDER



Water System Security – Still An Important Issue

A year has now passed since the tragic attacks on the United States on September 11, 2001. Much has changed over that year, including a heightened focus on the protection

and security of our nation's water supplies. In the State of Washington we have moved forward a long ways in this area over the past year, but much remains to be done.

In June of this year, President Bush signed into law the Public Health Security and Bioterrorism Preparedness & Response Act of 2002. Title IV of that law addresses "Drinking Water Security and Safety" and establishes new requirements that public water systems must meet in order to protect our water supplies.

In summary, all community water systems serving more than 3,300 people are required to perform vulnerability assessments of their systems and submit them to the U. S. Environmental Protection Agency. The timelines for completing this work are based upon the number of people served by the system:

- 100,000 or more: March 31, 2003
- 50,000 to 100,000: Dec. 31, 2003
- 3,300 to 50,000: June 30, 2004

Within six months of completing vulnerability assessments, systems must also update their emergency response plans, incorporating the results of the vulnerability assessments.

Limited funding has been provided to those largest systems serving more than 100,000 people to pursue this work, and the Department of Health will soon be more actively supporting these efforts with additional training and technical assistance targeted towards systems of all size.

Water systems should not expect any new federal funding assistance directed towards water system protection any time soon. Congress made certain appropriations in a new funding bill contingent on a Presidential declaration of "emergency spending," which is necessary for deficit spending. On August 13th, President Bush declined to make such a designation, noting that the additional funds exceeded the amount he requested.

While vulnerability assessments are important and should be done by all water systems—including those serving less than 3,300 people—we also need to maintain perspective and focus on work that will serve us best. When doing any emergency preparedness and response planning, it is critical to work within community frameworks.

Since September 11 there has been an understandable emphasis on terrorism and other intentional acts to cause damage or harm (including vandalism, which is fairly common), but this should not be the sole focus of our planning efforts. Heightened attention toward emergency preparedness is most likely to serve us well during events such as floods, earthquakes, and power outages.

Similarly, even as we move to keep critical information out of the hands of potential terrorists, we must continue to make appropriate information about water systems available to the public. Protection of water supplies and support of safe drinking water initiatives are highly dependent on a free flow of information. We need to be thoughtful in balancing security and protection with public information and interests.

Stay tuned for more information early this fall on training and technical assistance we will be sponsoring to help make drinking water supplies safer and more secure.



Infrastructure Surveys Are Coming

Information is critical to future funding for water systems in Washington State

Two important surveys will be coming in the mail to selected water systems this fall or early next year. Some of you were probably involved with one or both of these surveys in the past.

The first is the 2003 version of the Drinking Water Infrastructure Needs Survey that DOH and the Environmental Protection Agency (EPA) previously conducted in 1995 and 1999. Only a relatively small number of the state's Group A systems (mainly larger community systems) will receive this survey.

The second survey is a more detailed 2003 Local Government InfraStudy being conducted by several state agencies that are coordinating on the design, sampling, and preparation of the summary documents.

It is extremely important that drinking water systems fully support and participate in these surveys. The information will have a direct bearing on future funding for water system improvements in our state. Omission or underestimation of needs could adversely affect both the apportionment of federal drinking water funds and the fate of drinking water initiatives in the state Legislature.

The following table provides information on both surveys.

	EPA Drinking Water Infrastructure Needs Survey	Local Government InfraStudy
Purpose	Provide Congress with accurate estimate of national needs so it may: <ul style="list-style-type: none"> • Make overall authorization and appropriation decisions. • Apportion Drinking Water State Revolving Fund monies to states based on their respective identified needs. 	Provide local, state, and federal policy makers, interest groups, and private citizens with: <ul style="list-style-type: none"> • A current inventory of critical local public works projects. • An assessment of resources available to finance those projects. • An estimate of resources still needed to complete the projects.
Jurisdictions potentially surveyed	Group A (federally regulated) drinking water systems—about 60 of the larger systems.	All types of publicly owned infrastructure including but not limited to water, sewer, storm, roads, bridges, and parks.
Eligible types of projects	All drinking water infrastructure projects except those exclusively needed to serve growth or for fire protection.	All types of projects
Timeframe	20 year planning horizon (2003-2022)	Running 6 year planning horizon starting with 2004-2009
Data collection and reporting	<ul style="list-style-type: none"> • Data: Drinking water infrastructure costs in dollars • 18 month data collection period • Summary report due to Congress in February 2005 	<ul style="list-style-type: none"> • Data: Infrastructure costs in dollars • 12 month data collection period • Summary report due to Washington State Legislature in December 2003

The dates the two surveys will be mailed are not yet firm. If you have any questions about either survey, please contact Peter Beaton at (360) 236-3150.

Operator Certification Compliance

Good news and bad news—but mostly good

The really good news is that over 99 percent of the 2,711 public water systems in Washington required to have a certified operator are in compliance with the operator certification regulations. These systems are to be congratulated for their efforts in achieving compliance.

Departmental Orders issued

One piece of bad news is that the Department of Health has had to issue Departmental Orders to 24 water systems addressing the lack of a certified operator. At this level of formal enforcement, a system's operating permit may be categorized as "red" unless the system returns to compliance. A system with a red permit may be denied loans, building permits, and on-site sewage disposal permits for properties connected or to be connected to the system.

Systems under Departmental Order may also face further enforcement such as:

- Issuance of civil penalties
- Revocation or suspension of the operator's license
- Other legal action by the state Attorney General or local prosecutor.

Records falsified

In one serious case, the Department of Health recently took enforcement action against four certified operators employed by the City of Ridgefield for falsification of reports and gross negligence in the operation of the city's water system.

An investigation by the Ridgefield Police Department uncovered serious environmental health violations relating to both the city's water distribution system and wastewater treatment facility. There were falsified lab results and false reporting to both the Department of Health and the Department of Ecology. As a result, the Department of Health revoked the water works certification of two public works employees and suspended the certifications of two others for 6 months.

The Department of Ecology fined the City of Ridgefield \$30,000 for environmental violations and also took revocation action against the employees involved.

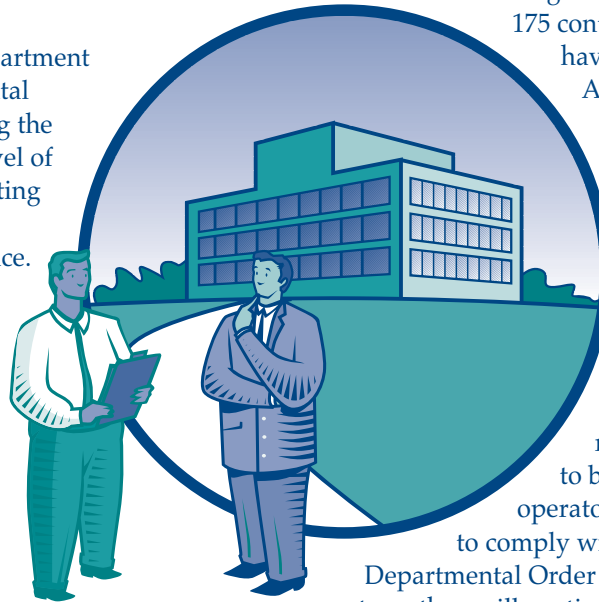
Contract Operators—Good progress on CCS certification

Contract operators are designated as the certified operator for three or more public water systems. They must at a minimum be certified as a Water Distribution Manager (WDM) and Cross Connection Control Specialist (CCS). Other classifications may be needed depending upon the specific systems involved.

A failure to get CCS certification has historically been the most common issue in contract operator certification in Washington. A year ago, about 20 percent of 175 contract operators in the state did not have the required CCS certification. In August 2001, the Department of Health officially informed them of the requirements and asked them to comply. As a result, only 7 percent now do not have the required CCS certification.

This July, the department issued 12 Notices of Violation (NOVs) to those who have yet to comply with the minimum certification requirements. Their names continue to be withheld from the contract operator public listing. Operators who fail to comply with the NOV will be issued a Departmental Order directing them to choose two water systems they will continue to operate. The Department of Health will then notify the other systems previously operated by each individual and let them know what their options are. Operators who are not in full compliance with the contract operator requirements will not be listed on the approved contract operator listing and will not be authorized to operate more than two public water systems.

The approved contract operator list is on the web at: http://www.doh.wa.gov/ehp/dw/operatorcertification/Contract_Operator_List_All_Counties.doc



Approved Satellite Management Agency (SMA) List Is On The Web

The list of Satellite Management Agencies approved by the Division of Drinking Water is now on the web at: http://www.doh.wa.gov/ehp/dw/Our_Main_Pages/purveyor_assist_2.htm

The agencies on this list have been approved, pursuant to 246-295 WAC, to provide ownership and/or management and operation services to water systems. The list identifies SMA names, addresses, phone numbers, service areas, service limitations and the type of service the agency provides. The list is updated quarterly. Contact your regional planner if you have questions.

Professional Growth Requirements for Certified Operators ~

Certified before January 1, 2001? You must complete your professional growth requirement by December 31, 2003.

Certified after January 1, 2001? You have until December 31, 2006.

The Water Works Operator Certification Program regulations require certified operators to demonstrate continued professional growth in order to be eligible for certification renewal. Under the direction of the Department of Health, the Washington Environmental Training Center (WETRC) at Green River Community College in Auburn provides course evaluation and Continuing Education Unit (CEU) assignment services to water works training course sponsors. WETRC also maintains individual professional growth transcripts for each certified water works operator.

Operators certified before January 1, 2001, including small system operators grandparented into the certification program on December 31, 2000, must do one of the following by December 31, 2003 to be eligible for 2004 certification renewal:

Option 1: Accumulate a minimum of three CEU or college credit for training that is directly relevant to the operation, maintenance, or management of a water system and that has an influence on water quality, public health, or environmental protection.

Option 2: Advance by examination in the Water Works Operator Certification Program to a Level 2, 3 or 4, or achieve certification by examination in a different classification as follows:

- WDM to WTPO, BTO or CCS
- WTPO to WDM or CCS
- BTO to WDM, WTPO, WDS or CCS
- WDS to WDM, WTPO, BTO or CCS
- CCS to WDM, WTPO or WDS

WETRC has provided certified operators who have already met their current professional growth requirement with a letter verifying their completion and a copy of their training transcript.

If you have any questions, please contact WETRC at 253-288-3369, extension 2 or toll-free at 1-800-562-0858.

Water Conservation in Action *(continued from cover)*

promotion of re-landscaping with low maintenance, low water-consuming plants. One high tech company has been very active, building small outdoor seminar areas, gazebos, running paths, sand volleyball courts, re-circulating water features, and large rock gardens.

In August the district met with local businesses to discuss additional options to reduce commercial business water use. Specific ideas discussed included:

- Water sensors on irrigation systems
- Fine-tuning irrigation systems
- District assistance in design of new landscapes
- Restructuring water rates for high volume users
- Water reuse
- Leak detection
- Meter testing
- Employee education on water conservation

Businesses have also agreed to partner with the district to work with the Washington State Legislature to improve water law.

The city and water district practice what they preach

The City of Liberty Lake is exploring alternatives to grass for planting in the miles of storm water swales along city streets.

Washington State University's Spokane County Cooperative Extension Office is assisting with alternate planting schemes. A demonstration xeriscape® garden under construction at our administrative offices will allow residents to visualize the beauty, benefits, and possibilities of low maintenance water conserving plants.

The district and its watershed advisory committee are promoting lakeside landscape alterations. One lakefront property owner has begun a project to replace lawn with low maintenance plants.

The increased interest in water conservation has also resulted in many calls involving water waste. The district responds to complaints and contacts customers regarding water use and conservation. We are now looking at the concept of double-metering residential homes so customers can see the dramatic difference between the amount of water they use in the home versus the amount used for outdoor irrigation and landscaping.

Finally, the district has approached the Washington State Department of Health to discuss joint development of a model water conservation program for the state.

Water conservation is not a fad or a luxury—it's a necessity. Washington residents will be hearing a lot more about conservation and water reuse in the future.

For more information, contact Lee Mellish at (509) 922-9016, ext. 24, or e-mail at sewerdoc@aol.com



Especially for Small Systems

Small Communities Initiative in Action

Curlew Water District makes major improvements

LaRue Lembcke, the secretary for the Curlew Water District, remembers a time, not too long ago, when they would have to tell people to not drink the water. “We’d have to truck in water,” she said, “because the wells were shallow and one of them was too close to a feed lot.”

Tom Justus, an engineer from the Division of Drinking Water’s Eastern Region, also remembers those times. “We’d get bad samples,” he said, “especially in the spring when the ice and snow came off too quick.”

Curlew is a small unincorporated community in northern Ferry County. The town’s original water system, built in the 1960s with Farmers Home Administration (FHA) funding, consisted of one drilled well, a storage tank, and steel distribution mains. The system operated mainly with volunteer effort to keep the water flowing. LaRue Lembcke’s husband John stepped in to fix things when they needed fixing—which was often. John also served as a water commissioner, and is now a certified operator “grandparented” under the new regulations that began applying to very small Group A systems in Washington last year.

30-year-old system needs help

By the mid-1990s it was clear that something had to be done. The original steel distribution mains were leaking badly. The system’s two wells did not have enough pumping capacity to meet

peak use demands, and it was likely that they would soon be designated as Groundwater Under the Influence of Surface Water (GWI) because they were close to Curlew Creek. This would have required costly additional treatment.

The water system was vital to the health and economy of the community, providing water to about 40 single-family homes, a 16-unit apartment building, a small commercial area, and a 250-student school district.

Tom Justus began working with the community in the late 1990s to plan some much-needed improvements. Sheila Walker of the U.S. Forest Service helped secure funding for a planning grant to identify needs and recommend improvements through a Preliminary Engineering Report (PER) which assumed a certain amount of growth would take place.

After the PER was developed, Justus and the water district became aware of some projects being proposed by the North Ferry Enterprise Community group that had the potential to impact the water system in the future. Enterprise community designation helps areas with very high poverty rates apply for and receive certain kinds of funding.

A group from Curlew attended the 2000 Rural Communities Symposium in Ellensburg, where they developed a vision, goals, and strategic plan for making water system improvements, taking the proposed Enterprise Community projects into account. The Curlew project became one of five in the newly-created Small Communities Initiative, a partnership between the Department of Health, the Department of Ecology, the Office of Community Development, and the Office of Trade and Economic Development. This helped to coordinate activities among the many agencies and organizations that had to be involved.

Phase 1: Fix leaks and get some breathing room

In the first phase of the project, funds from a Community Development Block Grant (CDBG) were used to fix known serious water leaks, primarily in the old steel mains. This required an interlocal cooperation agreement whereby Ferry County received the funding on behalf of the Curlew Water District. It took some of the pressure off the water district so they could participate in discussions of issues and help develop a workable financing plan for the rest of the project.

Phase 2: Long-term improvements

Over the next year, phase two of the project was hammered out by a team that included:

- Water district commissioners
- The district’s consulting engineer
- Ferry County commissioners
- Ferry County staff
- The Ferry County prosecuting attorney
- Tri-County Economic Development District staff
- Staff from USDA Rural Development (RD—the successor to FHA)
- Department of Health staff
- Department of Ecology staff
- Office of Community Development staff.

A large part of this work involved figuring out how to get loans and grants and how to generate the necessary revenue to repay any loans.

This was done through a combination of:

- Increased water rates
- Refinancing on an old loan
- Expected new hookups
- Expected power bill reductions—one payoff from fixing leaks and reducing need for pumping.

The complete funding package for the whole project was in place by the spring of 2001. It included:

RD loan	\$150,000
RD grant	\$375,000
CDBG grant	<u>\$350,000</u>
Total	\$875,000

As of December 2001, both phases were complete. As a result, Curlew now has what is essentially an entirely new water system that includes:

- Two new wells that are deeper than the previous ones and located on a bench of land above the creek and away from potential sources of bacterial contamination.
- A new pump station which is much easier to operate and maintain than the old one.

- 7,000 feet of new PVC water mains replacing the old leaking steel ones.
- An electric bill that is a small fraction of what it used to be.
- Five new fire hydrants.
- New copper water service pipe on virtually all services.
- New meter boxes and meters.

Mark Varela, the consulting engineer on the project, was involved in system evaluation, project planning, financial planning, project design, construction management, and inspection. "We do a lot more than engineering," he said. "There are a large number of people involved in a project like this, and we help them make decisions. That's the fun part."

Varela had praise for everyone involved, from water district and Ferry County representatives to the construction contractor. "You have to take the time to get everyone on board," he said. "That's the way it is when you're spending tax dollars—you have to do it right."

LaRue Lembcke says there's just one downside to the whole thing. "Since we got the new pumphouse and got rid of the leaks," she said, "there's not a whole lot for John to do."

But since his water system work has always been voluntary, maybe that's just fine with him.

For more information, contact Cathi Read, Office of Community Development, 360-725-3016.

Training for Small Water System Operators: First Overview Course is a Huge Success

During July, the first free small water system overview course entitled "Basic Water Works Overview" was presented in nine locations, with a total attendance of 278. This represents 1,946 classroom hours. Many participants felt it was the best course they've taken because of how well the trainer presented the material and how it applied to their day-to-day operations.

The second overview class entitled, "Operations and Maintenance Basics" is scheduled in 20 locations across the state beginning September 13th in Shelton. You will receive notification of the course and information on how to register in the mail. For more information, contact Evergreen Rural Water of Washington at 1-800-272-5981.

Other more in-depth courses

The Division of Drinking Water is also scheduling classes that cover topics in more depth. The first one, a "Water Distribution Specialist Exam Review" course, was offered once in August, with three additional classes in September. The second in-depth course, "How To Develop a Small Water System Program," is slated in six locations beginning in September.

We have also recently made arrangements to offer a one-day course on financial viability and rate setting for small water systems, some time after the first of the year. Because a large number of operators have expressed an interest in these topics, we will offer the course at 25 locations statewide.

"Distance learning" available - but check on CEU approval

There are many reputable trainers providing opportunities to obtain continuing education units (CEU) through correspondence courses and training on CD/video. One caution—be aware of the CEU aspect of any "distance education" available before purchasing. Always contact Peggy Barton with the Washington Environmental Training Center (1-800-562-0858) before purchasing such materials, to ensure a particular course is approved for Washington State CEU credit. Only approved CEUs will apply to your professional growth requirements.

Important reminder:

If you have a change of address, it is very important to let the Department of Health know. Our mailing lists are generated out of a database, so if we don't have a current home address you will not receive important notices on:

- Certification renewal
- Professional growth status reports
- Upcoming training
- General information

To advise us of a home address change, please call the Operator Certification Program toll-free number, 1-800-525-2536.

Drinking Water State Revolving Fund News

The Drinking Water State Revolving Fund (DWSRF) program provides low-interest loans to help water systems improve their infrastructure. About \$130 million in loans have been committed to drinking water improvements in Washington state since the program began in 1997.

In addition to funding loans for water system capital improvements, the revolving fund, through "set-asides," supports key state drinking water program activities, including loan program administration, new Safe Drinking Water Act initiatives, source water protection, and technical assistance to small water systems.



Record number of applications received in 2002

The 2002 application cycle brought in 109 applications for DWSRF assistance from 76 jurisdictions requesting over \$89 million. The amount of

funding available is about \$32 million. The approved loans will be distributed in the spring of 2003.

Because of the volume of applications received, it is unlikely that low scoring distribution projects will be offered funding. Applicants that are not offered funding this year are encouraged to reapply in a future cycle.



Hearing on Intended Use Plan will be held October 8, 2002

The Division of Drinking Water develops an annual Intended Use Plan explaining how we plan to distribute the project loan and set-aside funds.

A public hearing on this year's draft Intended Use Plan will be held at 10:00 AM, October 8, at 7171 Cleanwater Lane SW, Building 3, Tumwater, WA 98501. The purpose of the hearing is to present the state's recommended actions and provide an opportunity for public comment.

The draft Intended Use Plan is subject to a 30-day public review and comment period, Sept. 16 to October 16. The plan is available through the internet at http://www.doh.wa.gov/ehp/dw/Our_Main_Pages/dwsrf.htm.

The draft plan is also available at the State Library in Olympia, or by contacting:

Chris Gagnon
Department of Health
Division of Drinking Water
PO Box 47822
Olympia WA 98504-7822
(360) 236-3095
chris.gagnon@doh.wa.gov

Getting ready for next year's application cycle

Now is the time to make sure you have everything in order if you plan to apply for DWSRF funding in the 2003 cycle. Watch for information on application workshops in future editions of the Water Tap. These workshops will be held in the spring of 2003, with applications due in May.

Be sure your water system plan or small water system management program is up to date and includes the proposed project. Applicants in 2003 will be required to



have an approved plan by December 31, 2003, with funding available by spring 2004. Remember, well-thought-out projects take time, so start early.

Washington's DWSRF program is jointly administered by the Department of Health, the Department of Community, Trade and Economic Development, and the Washington State Public Works Board.

There's more information about the DWSRF program on the web at http://www.doh.wa.gov/ehp/dw/Our_Main_Pages/dwsrf.htm. Check out the fact sheet and last years guidelines to get a better idea of what the program is all about.

We are always looking for ways to improve the program and streamline the process to make it easier for clients.

If you have concerns or ideas for improvements, we would like to hear from you.

The Infrastructure Assistance Coordinating Council (IACC) database is an excellent resource for locating infrastructure funding or technical assistance in Washington State. You can view the database at www.infracfunding.wa.gov

2002 Drinking Water Seminars

Hot Topics in Cool Places

This year, you can expect the ever-popular Drinking Water Seminars to deliver timely, interesting topics in convenient locations around the state. The 2002 seminars are bigger, better, less expensive, and offer two-track afternoon sessions for small and large water systems. Cost for each one-day seminar, including lunch, is just \$25—thanks in part to some new funding from the Department of Health.

Sound too good to be true? Okay, there's one catch—because of possible space limitations, you do have to pre-register. We have sent brochures to all water systems, certified operators, labs, local health jurisdictions, and Water Tap recipients. If you didn't get one, call WETRC at 1-800-562-0858 (in Washington state only) or 253-833-9111, ext. 3369.

Check-in will be from 8 to 9 a.m. Seminars will go from 9 a.m. to 5 p.m. and earn 0.6 continuing education units (CEU).

Dates and Locations:

Wednesday, October 16 – Spokane

Tuesday, October 29 – Mount Vernon

Thursday, October 31 – Leavenworth

Tuesday, November 5 – Olympia

Wednesday, November 20 – Port Angeles

Agenda

Division Director Gregg Grunenfelder will review the Division of Drinking Water's priorities for the coming year. Dr. Maxine Hayes and Eastern Regional Manager Dan Sander will present case studies on public health emergencies in Walkerton, Ontario, and North Battleford, Saskatchewan that could have been prevented on many fronts. Dr. James VanDerslice, senior epidemiologist at the Department of Health, will be a key presenter at the Port Angeles session. Field Operations Manager Rich Hoey will discuss public notification about health risks.

Two tracks are scheduled for the afternoon. The large system topics include cross-connection control, water system planning, source water protection, and water use efficiency. The small system topics include security and emergency response, chlorination methods, and cross-connection control.



Public Hearing on Chapter 246-290 WAC Will Be Held This Fall

A public hearing on proposed changes to Chapter 246-290 WAC will be held this fall. Information on the date and location will be available on-line (see below). Following the public hearing, final rule adoption is anticipated for December 2002.

The major subjects are:

- Surface water treatment and disinfection by-products
- Public Notification
- Lead and Copper
- Radionuclides
- Filter Backwash Recycling
- Variance and exemption



Information about the new rules is available on the Division of Drinking Water's Web site: http://www.doh.wa.gov/ehp/dw/Our_Main_Pages/regula8.htm.

If you have questions, or to request a printed copy of current and proposed rules and rule revisions, contact:

*Theresa Phillips - 360-236-3147 or
theresa.phillips@doh.wa.gov*



Waiver Deadline Extended

The deadline for turning in applications for source monitoring waivers has been extended to September 30, 2002.

Source monitoring waivers may save you time and money. They provide Group A community and non-transient non-community water systems relief from monitoring requirements for some groups of chemicals.

Water systems that are eligible for waivers but do not request them will be scheduled to collect samples starting in 2003.

To request a waiver and have it processed this year, send your completed response by September 30, 2002 to:

Trace Warner
Department of Health - Division of Drinking Water
PO Box 47822
Olympia, WA 98504-7822

Training and Education Calendar Sept. - Dec. 2002

<u>Date</u>	<u>Topics</u>	<u>Location</u>	<u>Contact</u>	<u>Phone #</u>	<u>Cost/CEU</u>
Sept 4-6	Water Distribution Specialist Exam Review*	Moses Lake	ERWOW	800-272-5981	Free/Call*
Sept 5	Cross Connection Control Cert Exam Review	Auburn	WETRC	800-562-0858	\$135/0.7
Sept 9-10	ERWOW Fall Conference	Ocean Shores	ERWOW	800-272-5981	Call/Call
Sept 10-12	WDM Cert Exam Review	Auburn	WETRC	800-562-0858	\$265/2.1
Sept 11-13	Water Distribution Specialist Exam Review*	Hazel Dell	ERWOW	800-272-5981	Free/Call*
Sept 13	Op & Maint Basics for Small Water System Operators*	Shelton	ERWOW	800-272-5981	Free/0.7*
Sept 13	Asbestos Cement Pipe	Auburn	WETRC	800-562-0858	\$145/0.7
Sept 14	Op & Maint Basics for Small Water System Operators*	Chehalis	ERWOW	800-272-5981	Free/0.7*
Sept 16-20	BAT Course and Cert Exam	Auburn	WETRC	800-562-0858	\$695/3.0
Sept 17-20	Backflow Assembly Tester Exam Review	Mt. Vernon	ERWOW	800-272-5981	\$400/3.0
Sept 17-19	WDM Cert Exam Review	Yakima	WETRC	800-562-0858	\$265/2.1
Sept 18	Pump Maintenance and Repair	Bellevue	Laura Szentes	(425) 868-1144	\$45/0.6
Sept 18-20	Cross Connection Control Specialist Exam Review	Lacey	ERWOW	800-272-5981	\$220/ 2.1
Sept 19	Cross Connection Control Cert Exam Review	Everett	WETRC	800-562-0858	\$135/0.7
Sept 20	Op & Maint Basics for Small Water System Operators*	Bremerton	ERWOW	800-272-5981	Free/0.7*
Sept 21	Op & Maint Basics for Small Water System Operators*	Pt Angeles	ERWOW	800-272-5981	Free/0.7*
Sept 23	Basics of Cost of Service Rates	Spokane	Sharron Kimball	(509) 924-3655	\$40/0.6
Sept 24-26	WDM Cert Exam Review	Everett	WETRC	800-562-0858	\$265/2.1
Sept 25-27	Water Distribution Specialist Exam Review*	Lacey	ERWOW	800-272-5981	Free/Call*
Sept 26	How to Develop a Small Water System Mgmt Program*	Auburn	WETRC	800-562-0858	Free/Call*
Sept 26	Op & Maint Basics for Small Water System Operators*	Oak Harbor	ERWOW	800-272-5981	Free/0.7*
Sept 27	Op & Maint Basics for Small Water System Operators*	Bellingham	ERWOW	800-272-5981	Free/0.7*
Sept 27	Backflow Assembly Troubleshooting	Woodland	ERWOW	800-272-5981	\$90/0.6
Sept 28	Op & Maint Basics for Small Water System Operators*	Mt Vernon	ERWOW	800-272-5981	Free/0.7*
Oct 7-9	9th Annual Joint Conference on Health	Wenatchee	WSPHA	(425) 377-1477	Call/Call
Oct 7-11	BAT Course and Cert Exam	Auburn	WETRC	800-562-0858	\$695/3.0
Oct 8-9	EPA Surface Water Rules Training	Seattle	EPA	800-426-4791	Free/NA
Oct 10	How to Develop a Small Water System Mgmt Program*	Spokane	WETRC	800-562-0858	Free/Call*
Oct 11	Op & Maint Basics for Small Water System Operators*	Kelso	ERWOW	800-272-5981	Free/0.7*
Oct 11	Cross Connection Program Review	Monroe	ERWOW	800-272-5981	\$60/0.5
Oct 12	How to Develop a Small Water System Mgmt Program*	Yakima	WETRC	800-562-0858	Free/Call*
Oct 12	Op & Maint Basics for Small Water System Operators*	Yelm	ERWOW	800-272-5981	Free/0.7*
Oct 12	BAT Exam Only	Auburn	WETRC	800-562-0858	\$180/NA
Oct 14	Chlorination	King Co.	ERWOW	800-272-5981	Free/0.5
Oct 14-15	BAT Refresher Course	Auburn	WETRC	800-562-0858	\$205/1.5
Oct 15	Chlorination	Whatcom Co.	ERWOW	800-272-5981	Free/0.5
Oct 15-17	Basic Electrical	Tacoma	WETRC	800-562-0858	\$275/2.1
Oct 16	Drinking Water Seminar 2002	Spokane	WETRC	800-562-0858	Call/Call
Oct 16	Chlorination	Bremerton	ERWOW	800-272-5981	Free/0.5
Oct 16	BAT Pro-gro Exam	Auburn	WETRC	800-562-0858	\$105/NA
Oct 17	Op & Maint Basics for Small Water System Operators*	Bonney Lake	ERWOW	800-272-5981	Free/0.7*
Oct 17-18	Competent Person and Cave-In	Auburn	WETRC	800-562-0858	\$210/1.4
Oct 18	Op & Maint Basics for Small Water System Operators*	Issaquah	ERWOW	800-272-5981	Free/0.7*
Oct 18	Water Trtmt Forum 3 by Water Trtmt Committee	Spokane	Judy Grycko	(503) 655-4075	\$45/0.5
Oct 19	Op & Maint Basics for Small Water System Operators*	Lakewood	ERWOW	800-272-5981	Free/0.7*
Oct 21-22	BAT Refresher Course	Auburn	WETRC	800-562-0858	\$205/1.5
Oct 22	Op & Maint Basics for Small Water System Operators*	Wenatchee	ERWOW	800-272-5981	Free/0.7*
Oct 22	Chlorination	White Salmon	ERWOW	800-272-5981	Free/0.5
Oct 23	Chlorination	Tri-Cities	ERWOW	800-272-5981	Free/0.5

Training and Education Calendar Sept. - Dec. 2002

<u>Date</u>	<u>Topics</u>	<u>Location</u>	<u>Contact</u>	<u>Phone #</u>	<u>Cost/CEU</u>
Oct 23	BAT Pro-gro Exam	Auburn	WETRC	800-562-0858	\$105/NA
Oct 24	Chlorination	Wilbur	ERWOW	800-272-5981	Free/0.5
Oct 24-25	Process Control and Instrument	Auburn	WETRC	800-562-0858	\$225/1.4
Oct 26	Op & Maint Basics for Small Water System Operators*	Omak	ERWOW	800-272-5981	Free/0.7*
Oct 29	Drinking Water Seminar 2002	Mt. Vernon	WETRC	800-562-0858	Call/Call
Oct 30	Water Quality Emergencies—The First 24 Hours	Spokane	Sharron Kimball	(509) 924-3655	\$35/Call
Oct 31	Drinking Water Seminar 2002	Leavenworth	WETRC	800-562-0858	Call/Call
Nov 1	Op & Maint Basics for Small Water System Operators*	Yakima	ERWOW	800-272-5981	Free/0.7*
Nov 2	Op & Maint Basics for Small Water System Operators*	Moses Lake	ERWOW	800-272-5981	Free/0.7*
Nov 5	Basic Distribution Installation and Maintenance	Bellingham	ERWOW	800-272-5981	Free/0.6
Nov 5	Competent Person Training	Spokane	Sharron Kimball	(509) 924-3655	\$25/0.4
Nov 5	Drinking Water Seminar 2002	Olympia	WETRC	800-562-0858	Call/Call
Nov 6	Basic Distribution Installation and Maintenance	Chehalis	ERWOW	800-272-5981	Free/0.6
Nov 7	Asbestos Cement Pipe	Auburn	WETRC	800-562-0858	\$145/0.7
Nov 8	Op & Maint Basics for Small Water System Operators*	Airway Hts	ERWOW	800-272-5981	Free/0.7*
Nov 8	Cross Connection Program Review	Puyallup	ERWOW	800-272-5981	\$60/0.5
Nov 9	Op & Maint Basics for Small Water System Operators*	Colville	ERWOW	800-272-5981	Free/0.7*
Nov 10-14	2002 Water Quality Technology Conference	Seattle	Laura Szentes	(425) 868-1144	Call/Call
Nov 13	Basic Distribution Installation and Maintenance	Moses Lake	ERWOW	800-272-5981	Free/0.6
Nov 14	How to Develop a Small Water System Mgmt Program*	Mt Vernon	WETRC	800-562-0858	Free/Call*
Nov 14	Basic Distribution Installation and Maintenance	Richland	ERWOW	800-272-5981	Free/0.6
Nov 14	Backflow Assembly Troubleshooting	Vancouver	ERWOW	800-272-5981	\$90/0.6
Nov 15	Op & Maint Basics for Small Water System Operators*	Yakima	ERWOW	800-272-5981	Free/0.7*
Nov 16	Op & Maint Basics for Small Water System Operators*	Walla Walla	ERWOW	800-272-5981	Free/0.7*
Nov 18-22	BAT Course and Cert Exam	Richland	WETRC	800-562-0858	\$695/3.0
Nov 18-22	BAT Course and Cert Exam	Bellevue	WETRC	800-562-0858	\$695/3.0
Nov 19-21	Basic Water Works	Yakima	WETRC	800-562-0858	\$275/2.1
Nov 20	Drinking Water Seminar 2002	Port Angeles	WETRC	800-562-0858	Call/Call
Dec 3-4	Cross Connection Control Basic	Richland	WETRC	800-562-0858	\$195/1.4
Dec 3-4	Basic Water Works	Tacoma	WETRC	800-562-0858	\$275/2.1
Dec 3-5	Basic Electrical	Everett	WETRC	800-562-0858	\$275/2.1
Dec 6	How to Develop a Small Water System Mgmt Program*	Vancouver	WETRC	800-562-0858	Free/Call*
Dec 6	Cross Connection Program Review	Vancouver	ERWOW	800-272-5981	\$60/0.5
Dec 7	How to Develop a Small Water System Mgmt Program*	Centralia	WETRC	800-562-0858	Free/Call*
Dec 9-13	BAT Course and Cert Exam	Auburn	WETRC	800-562-0858	\$695/3.0
Dec 11	Pump Operation and Maintenance	Spokane	Sharron Kimball	(509) 924-3655	Free/0.6
Dec 10-11	Cross Connection Control Basic	Tacoma	WETRC	800-562-0858	\$195/1.4
Dec 14	BAT Exam Only	Auburn	WETRC	800-562-0858	\$180/NA
Dec 16-17	BAT Refresher Course	Auburn	WETRC	800-562-0858	\$205/1.5
Dec 17-19	WDM Cert Exam Review	Tacoma	WETRC	800-562-0858	\$265/2.1
Dec 18	BAT Pro-gro Exam	Auburn	WETRC	800-562-0858	\$105/NA

*These courses are designed for small water systems serving 3,300 people or less.

Additional Training Links:

AWWA King County Subsection Website – www.kcawwa.org
 ERWOW Website - www.ERWOW.org
 WETRC Website - www.ivygreen.ctc.edu/wetrc
 AWWA Pacific Northwest Section - www.pnws-awwa.org/

**For the complete Training Calendar
 visit the Drinking Water Homepage
 and click on Training -
www.doh.wa.gov/ehp/dw**

Arsenic Rule Update:

This summer, the Washington State Board of Health reviewed the Department of Health's request for proposed rule revision for arsenic in drinking water. In the coming months, the state board will consider aligning state rules (both Group A and Group B system regulations) with the latest federal standard for arsenic. Watch future issues of Water Tap and the division's Web site for a timeline for arsenic rule development.

The Environmental Protection Agency requires that community water systems serving more than 25 people and non-transient non-community water systems reduce the level of arsenic in their water from 50 parts per billion (ppb) to 10 ppb by January 2006.

Community water systems that have arsenic levels greater than 10 ppb must include the concentration of arsenic detected in their most recent sample, along with a statement on health risks, in the annual Consumer Confidence Report distributed to customers in July of each year. Water systems that have arsenic levels of 5-10 ppb must include an educational statement about arsenic in their Consumer Confidence Reports.



In This Issue

The following people contributed to the production of this issue of the Water Tap: John Aden, Peggy Barton, Peter Beaton, Marsha Carlton, Chris Gagnon, Denise Garrett, Gregg Grunenfelder, Jim Hudson, Abigail Hughes, Tom Justus, Steve Kelso (Editor), Bill Liechty, John LaRocque, LaRue Lembcke (Curlew Water District) Kate Lynch, Melissa Maxfield, Lee Mellish (Liberty Lake Sewer and Water District), Theresa Phillips, Cathi Read (Office of Community Development), Dan Sander, Rich Sarver, Rich Siffert, Paula Smith, and Michele Vazquez.

The Department of Health, Division of Drinking Water, publishes the Water Tap to provide information to water system owners, water works operators, and others interested in drinking water. Comments and questions are welcome.

Past issues are available by writing to the editor, the Water Tap, Division of Drinking Water, PO Box 47828, Olympia, WA 98504-7828, or email your request to steve.kelso@doh.wa.gov. Past issues are also available on the web at <http://www.doh.wa.gov/ehp/dw>

printed on recycled paper



PRSRRT STD
U.S. POSTAGE PAID
Washington State
Department of Printing

Department of Health
Division of Drinking Water
PO Box 47822
Olympia, WA 98504-7822
1-800-521-0323